



Product Sheet

# *Cryptococcus liquefaciens* (ATCC® 34140™)

Please read this **FIRST**



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**2**

## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Cryptococcus liquefaciens* (ATCC® 34140™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Strain Designation:** CR-180

**Deposited Name:** *Cryptococcus albidus* (Saito) Skinner var. *albidus*

## Propagation

ATCC® Medium 200: YM agar or YM broth

## Growth Conditions

**Temperature:** 24°C to 26°C

**Atmosphere:** Typical aerobic

## Recommended Procedure

For **freeze-dry (lyophilized)** ampoules:

1. Open an ampoule according to enclosed instructions.
2. From a single test tube of **sterile distilled water** (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a sterile pipette and apply directly to the pellet. Stir to form a suspension.
3. Aseptically transfer the suspension back into the test tube of sterile distilled water.
4. Let the test tube sit at room temperature (25°C) undisturbed for at least 2 hours; longer (e.g., overnight) rehydration might increase viability of some fungi.
5. Mix the suspension well. Use several drops (or make dilutions if desired) to inoculate recommended solid or liquid medium. Include a control that receives no inoculum.
6. Incubate the inoculum at the propagation conditions recommended.
7. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 1-2 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

**Colony and Cell Morphology:** After 4 days on YM medium at 25°C, colonies white, smooth, glistening. Cells globose or ovoidal, single or with bud. Psuedohyphae absent.

## Notes

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## DNA Sequence

18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence  
AAGGATCATTAAATGATTAAGTCTGTGTCGAGCTTGCTCACAGACTTATCATATCCATAACACCTGTGCA  
CTTGTCGGATTGGCTTAGTGAAGACCGCAAGGTTGGAACATCCATCTACTTTACATAACAATTTAGTAA  
CAAATGTAGTCTTATTATAACATAATAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAG  
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAAATTCAGTGAATCATCGAATCTTTGAACGCAC  
CTTGGCTCCCTGGTATTCGGGGGAGCATGCCTGTTGAGTGTATGAAAACCCCTCAACCTTAGATTGGT  
TAACACCTTTCTTGGCTTGGATTTGGACGTTTGCCGATGATAAAGTCGGCTCGTCTTAAAAGTAATAGCT  
GGATCTGTCTCGCAGCATGGTTTGACTTGGCGTAATAAGTATTTGCGTAAGGACATCTTCGGATGGCCG  
CGTTGCAAGACTAAAGACCGCTTTCTAATCCATTGATCTTCGGATTAATATTCTTGACATCTGGCCCTCAA  
ATCAGGTAGGACTACCGCTGAACTAAG

D1D2 region of the 26S ribosomal RNA gene

CATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCCTAGTAACGGCGAGTGAAGCGGGAA  
GAGCTCAAATTTGAAATCTAGTAGCCTTCGGCTGCTCGAGTTGTAATCTAGAGAAGTGTTCCTGCGC  
GGCCCATGTACAAGTCCCTTGAACAGGGCGTCATAGAGGGTGAGAATCCCCTCCTTGACATGGACC  
CCGGTCTCTGTGATACACTTTCAACGAGTCGAGTTGTTGGGAATGCAGCTCAAAATGGGTGGTGAAT  
TCCATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAAGGAAAGATGAAAA  
GCACCTTTGAAAGAGAGTAAACAGTACGTGAAATTGTTGAAAGGAAACGATTGAAGTCAGTCATG  
CTCTTTGGTATTATATCATTGAGTGGGTCAACATCAGTTTTGATCGATGGATAAAGGCACTAGGAAG  
GTAGCACTCTCGGGTGAACCTTATAGCCTGGCGTCATATACATTGATTGGGACTGAGGAACCGACGATG  
CCTTTATGGCCGGGATTCGTCCACGTACATGCT

## Isolation

Clinical specimen, Minnesota



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## Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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